

File Number: MUM/DRILL-SER/DRILL/AREA-V/SAGAR-UDAY-BASE/2026/SUD/2734483

Date: 08/04/2026(17:28:05)

Subject: Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday

Value(in INR): 389400

BDP Clause: B10.1_1A

A. BACKGROUND:

Rig Sagar Uday is a self-elevating jack-up rig deployed at Mumbai Offshore for drilling operations. The rig is equipped with three raw water pumps mounted on a common raw water tower, supported by three independent jacking systems. Each jacking system comprises a motor-driven ratchet and pinion mechanism.

It has been observed that the existing repaired pinions are failing sequentially. Recently, one pinion (A-chord) was replaced using available spares. However, the pinion of the C-chord is currently defective with a broken tooth.

The damaged pinion poses a significant operational risk, as it may lead to sudden load transfer and unintended rack movement in the jacking system. This could result in further damage to the gear teeth and, in extreme cases, may lead to failure or collapse of the raw water pump assembly.

To mitigate this risk and ensure safe and uninterrupted operation of the raw water jacking system, it is proposed to fabricate 02 numbers of pinion gear—one for immediate replacement of the defective C-chord pinion and one to be maintained as a standby.

The requirement along with technical drawing for the pinion gear has been received from the rig is attached as **Annexure - 1**.

B. BRIEF OF PRESENT PROPOSAL:

The pinion gear is a critical component of the raw water tower jacking system. The existing pinion gear installed at the C-chord has developed a defect in the form of a broken tooth, which poses a significant risk to the safe operation of the jacking system. Such failure may lead to uneven load transfer, slippage of the rack, and further damage to the gear assembly, potentially resulting in failure of the raw water pump support system.

Further, no standby pinion gear is presently available onboard, and the existing stock position is nil. Considering the operational criticality and safety implications, immediate procurement is required.

These pinions are specialized items manufactured as per specific design and technical requirements and are not readily available on the GeM portal. Accordingly, the GeM Non-Availability Report is enclosed as **Annexure - 2**.

Since this is a non-standard and critical item, it is proposed to fabricate 02 numbers of pinion gears (one for immediate replacement and one as standby) through an ONGC registered vendor under Chapter 10.1 of BDP 2023.

Scope of Work:

- Fabrication and Supply of Pinion gear (2 Nos) of Raw Water Tower for Rig Sagar Uday as per sample and technical drawing.
- Process involving Gear Cutting, Machining, Hardening (40-45%) and Blackening.
- To and fro transportation from Nhava is included in the scope.

VED Analysis

Considering the criticality of the pinion and its direct impact on the safe and uninterrupted operation of the rig, the requirement is categorized under the **“Essential category”**.

C. COST ESTIMATION, LPR AND RATE REASONABILITY:**a) COST ESTIMATION:**

As per Clause 8.3.4 (d) of SCM manual:

Quote:

“In case (Repairs/works/services) of the jobs cost estimate based on BQ is allowed for jobs where cost estimate is below Rs. 50 Lakhs”

Unquote:

The job requirement along with scope of work was shared with multiple firms for submission of budgetary quotations. The same was sought from the ONGC registered vendors as mentioned below:

1. M/s HI-TECH INDUSTRIES (Vendor Code: 106375) (**Annexure - 3**)
2. M/s SHAKTI ENTERPRISES (Vendor Code: 811075) (**Annexure - 4**)
3. M/s SUPREME CONSTRUCTIONS (Vendor Code: 810740) (**Annexure - 5**)

A Comparative Statement has been prepared based on three quotations obtained from above vendors and is attached as **Annexure – 6**.

The Cost Estimation has been prepared based on the lowest quotation received from **M/s HI-TECH INDUSTRIES**, amounting to **₹ 3,89,400 (Rupees Three Lakhs Eighty-Nine Thousand and Four Hundred only)** including 18% GST and is attached as **Annexure - 7**.

b) LPR AND RATE REASONABILITY:

The fabrication and supply of pinion gear of raw water jacking system have not been carried out by any rig in the last five years. However, a similar fabrication job was executed at an LPR of **₹ 1,53,765 per unit** (including all taxes) vide PO No. **5010065089** dated **14.07.2011**.

The current lowest quoted rate is **₹ 1,94,700 per unit (including 18% GST)**, which is **26.62% higher** than the LPR. Considering that the LPR pertains to more than 14 years ago, the present budgetary quotation is found reasonable.

D. BUDGET PROVISION:

Funds shall be utilized from the budget as mentioned below.

CI	Fund Centre	Description	FY
200799	MUMSDSDR	R&M Others	2026-27

E. JOB COMPLETION SCHEDULE AND DELIVERY:

The items are to be fabricated and supplied within 60 days of the date of issuance of Work Order / Purchase Order (PO).

F. PURCHASE REQUISITION:

PR No. **2010169265** has been created and released at Creator (01) level in the SAP system for Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday.

PR value is ₹ **3,89,400 (Rupees Three Lakhs Eighty-Nine Thousand and Four Hundred only) including 18% GST.**

G. SUMMARY:

1	Name of the indenting rig	Sagar Uday
2	Name of equipment	Raw Water Tower Jacking System
4	OEM	Non-OEM
5	Type/Nature of proposal	Fabrication & Supply of Pinion of Raw Water Tower
6	Cost Reference of Estimate	Budgetary Quotation from Three Vendors
7	Enclosures	Annexure – 1: Requirement from Rig
		Annexure – 2: GeM Non-Availability Report
		Annexure – 3: Quotation from M/s HI-TECH INDUSTRIES
		Annexure – 4: Quotation from M/s SHAKTI ENTERPRISES
		Annexure – 5: Quotation from M/s SUPREME CONSTRUCTIONS
		Annexure – 6: Comparative Statement

		Annexure – 7: Cost Estimation
		Annexure – 8: VED Circular 05/2026 dated 16.01.2026
8	PR Details	2010169265 Release Strategy: 01, 02, C4, L4 FY 2026-27; CI: 200799
9	Case Value	₹ 3,89,400
10	BDP Chapter	10.1
11	AA / Sanctioning Authority as per BDP 2023	L-IV, (Up to Rs. 18.75 Lakh)
12	CPA as per BDP 2023	L-IV, (Up to Rs. 75 Lakh) vide BDP 24.1 (a)

H. APPROVALS SOUGHT:

CE (M) - ES, Rig Sagar Uday may kindly review the proposal, release PR No. **2010169265** at '02' level and forward the proposal to CGM (M) – LMMDS.

CGM (M) - LMMDS is requested to review and forward the proposal to GGM (E) – HMDS.

GGM (E) – HMDS may kindly review the proposal and forward to ED – CDS, SW for Essential Category Approval.

ED – CDS, SW may kindly approve this proposal under the '**Essential Category**' as per Circular 05/2026 dated 16.01.2026 (**Annexure – 8**).

DISHA FILE ROUTING

CE (M) - ES, Rig Sagar Uday (121323) PL.

CGM (M) - LMMDS (81655) PL.

GGM (E) - HMDS (78499) PL.

ED – CDS, SW (77294) PL.

Case is proposed for review / recommendation.

Initiated & Electronically Signed by :

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 08/04/2026(17:28:05)

The proposal has been reviewed, and **PR No. 2010169265 has been released at '02' level.**

CGM (M) – LMMDS may kindly review and forward the proposal to **GGM (E) – HMDS** for further submission to **ED – CDS, SW** for **Essential Category Approval** as per **Circular No. 05/2026 dated 16.01.2026 (Annexure – 8).**

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 08/04/2026(17:31:45)

Rig Sagar Uday jack-up drilling rig is equipped with three raw water pumps mounted on the raw water tower jacking system, each operated independently. The pinion gear is a critical element of this system, and the C-chord pinion has now developed a broken tooth requiring immediate replacement. As the gear is a customized unit supplied by the Jacking Tower OEM, it is proposed to fabricate two pinion gears one to replace the defective C-chord pinion and another to be retained as standby. Replacement is intended to mitigate the risk of further pinion failures and Raw water Pump Toer safeguard and uninterrupted operations.

In line with the VED Circular dated 05/2026 (Ref: 116.01.2026), the proposal has been categorized under "Essential" and forwarded for approval.

Case is forwarded.

Forwarded & Electronically Signed by:

SURYA KAFLEY - 81655 (Ch.General Manager (Mech))

DRILLING SERVICES (SHALLOW WATER) - MUMB

On : 09/04/2026(09:57:11)

ED-CDS(SW) is requested to accord approval for Categorization of instant proposal as " Essential " as per PMC Circular No. 05/2026

Case is forwarded.

Forwarded & Electronically Signed by:

SUNDARASWARAN VINOD KUMAR - 78499 (Gp.General Manager (Elect))
DRILLING SERVICES (SHALLOW WATER) - MUMB
On : 09/04/2026(10:02:42)

Approved as proposed.

Case is forwarded.

Forwarded & Electronically Signed by:
RAJESH SHARMA - 77294 (Executive Director)
DRILLING SERVICES (SHALLOW WATER) - MUMB
On : 09/04/2026(12:57:43)

Case is forwarded.

Forwarded & Electronically Signed by:
RAHUL RATTA - 121323 (Chief Engr.(Mech))
MUMBAI RIG SAGAR UDAY-BASE - MUMB
On : 09/04/2026(13:04:06)

Subject: Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday

This case pertains to Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday.

As per Clause 8.3.4 (d) of SCM manual:

Quote:

“In case (Repairs/works/services) of the jobs cost estimate based on BQ is allowed for jobs where cost estimate is below Rs. 50 Lakhs”

Unquote:

The job requirement along with scope of work was shared with multiple firms for submission of budgetary quotations. The same was sought from the ONGC registered vendors as mentioned below:

1. M/s HI-TECH INDUSTRIES (Vendor Code: 106375) **(Annexure - 3)**
2. M/s SHAKTI ENTERPRISES (Vendor Code: 811075) **Annexure - 4)**
3. M/s SUPREME CONSTRUCTIONS (Vendor Code: 810740) **(Annexure - 5)**

A Comparative Statement has been prepared based on three quotations obtained from above vendors and is attached as **Annexure – 6.**

The Cost Estimation has been prepared based on the lowest quotation received from **M/s HI-TECH INDUSTRIES**, amounting to ₹ 3,89,400 (Rupees Three Lakhs Eighty-Nine Thousand and Four Hundred only) including 18% GST and is attached as **Annexure - 7**.

L1 (ED – CDS, SW) has accorded this proposal under '**Essential Category**' as per Circular No 05/2026 dated 16.01.2026 (**Annexure – 8**).

PR No. **2010169265** has been created for Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday with value of ₹ 3,89,400 (Rupees Three Lakhs Eighty-Nine Thousand and Four Hundred only) including 18% GST.

APPROVAL SOUGHT:

CE (M) – ES, Rig Sagar Uday may kindly review the proposal, accord **Administrative Approval** and forward the proposal to finance for concurrence.

CM (F&A), DS - Finance is requested to **concur** with the case and release of PR No. **2010169265** at "C4" under Chapter 10.1 of BDP 2023 and forward the case to CE (M) - ES, Rig Sagar Uday.

CE (M) – ES, Rig Sagar Uday is requested to accord **Expenditure Sanction** for the estimated cost of ₹ 3,89,400 (Rupees Three Lakhs Eighty-Nine Thousand and Four Hundred only) including 18% GST and release the PR No. **2010169265** at "L4".

Disha File Routing

CE (M) - ES, Rig Sagar Uday (121323) PL.

CM (F & A) – DS-Finance (90218) PL.

Case is recommended for AA.

Reviewed and Recommended & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 09/04/2026(13:18:40)

Accorded **Administrative Approval**.

Case is forwarded for NA

AA accorded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 09/04/2026(14:21:40)

CM (F&A), DS - Finance is requested to **concur** with the case and release of PR No. **2010169265** at “C4” under Chapter 10.1 of BDP 2023 and forward the case to CE (M) - ES, Rig Sagar Uday.

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 09/04/2026(14:22:58)

As this fabrication is being made for repair and maintenance of Water tower, GST rate under MRO@ 5 % may be explored with vendor.

Case is forwarded.

Forwarded & Electronically Signed by:

Aishwarya Dubey - 90218 (Dy.General Manager (F & A))

MUMBAI DR SER FINANCE - MUMB

On : 17/04/2026(17:52:26)

The revised quotation is submitted by the vendor and attached as Annexure-9.The revised cost estimation sheet is attached as annexure-10.

Based on the revised quotation PR 2010169265 value revised to INR 346500.00

In View of the above,

CM (F&A), DS - Finance is requested to **concur** with the case and release of PR No. **2010169265** at “C4” under Chapter 10.1 of BDP 2023.

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 23/04/2026(14:12:42)

Proposal is concurred in finance and PR no. 2010169265 is released at C4 level.

Case is forwarded.

Forwarded & Electronically Signed by:

Aishwarya Dubey - 90218 (Dy.General Manager (F & A))

MUMBAI DR SER FINANCE - MUMB

On : 23/04/2026(18:16:38)

Accorded Expenditure Sanction and PR released at L4 level.

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTI - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 24/04/2026(09:38:27)

**This File has been delegated by ASHOK KUMAR M. - 134217 On 24/4/2026(9:41:41) To
SIDDHANT SINGH - 139967**

Case is forwarded.

Forwarded & Electronically Signed by:

SIDDHANT SINGH - 139967 (Asstt.Ex.Engr.(Drilling))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 28/04/2026(12:43:43)

Revised Value(in INR): 346500

Case is forwarded for Sanction.

Forwarded & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 28/04/2026(12:57:58)

Marking File as Expenditure Sanctioned

Case is forwarded for NA

Sanctioned & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 28/04/2026(12:59:16)

Subject: Approval of SOW, STCC and Price Format for Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday

- This case pertains to the fabrication and supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday.
- CPA for the case is L-IV, CE (M) - ES, Rig Sagar Uday (up to ₹ 75 lakh) as per Clause 24.1 (a) of BDP 2023.
- Sanctioning Authority for the case is also L-IV, CE (M) - ES, Rig Sagar Uday (up to ₹ 18.75 lakh) vide clause 10.1 of BDP 2023
- The proposal has been categorized as “**Essential**” under VED Analysis and duly approved by L-1, ED – CDS (SW) in line with PMC Circular No. 05/2026.
- Administrative Approval and Expenditure Sanction has been obtained from the Sanctioning Authority (L-IV) vide PR No. **2010169265** with a total PR value of **₹ 3,46,500.00 (Rupees Three lakhs Forty-Six Thousand and Five Hundred Only).**
- Scope of Work (SOW), Special Terms and Conditions of Contract (STCC) and Price Format have been prepared and enclosed as **Annexure – 11.**
- As per SCM Clause No. 7.23 (i) & (ii), the Sanctioning authority is empowered to accord approval of the SOW, STCC and Price Format.
- In view of the above, CE (M) - ES, Rig Sagar Uday, (L-IV), being the sanctioning authority in the present case, is requested to kindly accord approval to the SOW, STCC and Price Format enclosed at Annexure - 11.

DISHA FILE ROUTING

CE (M) - ES, Rig Sagar Uday (121323) PL.

Case is forwarded.

Forwarded & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 30/04/2026(11:16:44)

Approved SOW,STCC and PF as proposed.

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 30/04/2026(12:47:31)

Subject: Approval for Inviting Limited Tender for Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday

The case pertains to “**Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday**”.

- CPA for the case is L-IV, CE (M) - ES, Rig Sagar Uday (up to ₹ 75 lakh) as per Clause 24.1 (a) of BDP 2023.
- Sanctioning Authority for the case is also L-IV, CE (M) - ES, Rig Sagar Uday (up to ₹ 18.75 lakh) vide clause 10.1 of BDP 2023
- The proposal has been categorized as “**Essential**” under VED Analysis and duly approved by L-1, ED – CDS (SW) in line with PMC Circular No. 05/2026.
- Administrative Approval and Expenditure Sanction has been obtained from the Sanctioning Authority (L-IV) vide PR No. **2010169265** with a total PR value of **₹ 3,46,500.00 (Rupees Three lakhs Forty-Six Thousand and Five Hundred Only)**.
- SOW,STCC and Price Format have been approved as per SCM Clause No. 7.23 (i) and (ii) by the sanctioning authority (L-IV).

Quote

As per SCM,

4.14.1 All procurements (Goods/Services) up to ₹ 10 lakh per case (except nomination) shall be processed by respective user departments without support of SCM (including cases wherever BECFC/PEC is required to be held):

4.14.2 The following cases shall be processed by HPO:

- i All decentralized cases other than specified as above at para 4.14.1 including cases pertaining to Civil/Electrical.
- ii All orders against RCs finalized by CPD irrespective of value.

Unquote

As the case value is below Rs. 10 Lakh, it will be further processed by user department without support from SCM.

Case is put up for approval of CPA for the following:

- o Prior approval of the Competent Purchase Authority is required for processing the procurement case further vide BDP clause 24 (Note iv).
- o Competent authority for Approval of Invitation of Tender is CPA (L-IV in this case) as per SCM Manual (Part -I Procurement V1.0) clause no. 11.2.1 (ii) 1 (a).

Approval Sought

CE (M) – ES, Rig Sagar Uday is requested to accord approval for invitation of Indigenous Limited Tender under Single-bid system to carrying out “**Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday**” as per SCM Manual (Part -I Procurement V1.0) clause no. 11.2.1 (ii) 1 (a).

Submitted for kind approval please.

CE (M) – ES, Rig Sagar Uday (121323) Pl.

Case is forwarded.

Forwarded & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 30/04/2026(16:35:29)

Approved for invitation of Indigenous Limited Tender under Single-bid system to carrying out “**Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday**” as per SCM Manual (Part -I Procurement V1.0) clause no. 11.2.1 (ii) 1 (a).

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 05/05/2026(10:10:08)

Sub: Approval for Inviting Limited Tender with Registered ONGC Vendors

This case pertains to the **Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday**.

PR No: **2010169265**

PR Value: ₹ 3,46,500.00

Accordingly, **Tender No. PD1AL26021** has been created under *Limited Tender and Single Bid System*.

Details of the registered vendors along with contact particulars are as follows.

1. M/s SHAKTI ENTERPRISES (811075)

403/22, GURU MOULI CHS LTD

D.N.NAGAR, ANDHERI(WEST)

MUMBAI – 400053

Mobile: 8976733895

Email: shaktivgn@rediffmail.com

2. M/s HI-TECH INDUSTRIES (106375)

GALA NO. G-26, M.K. INDUSTRIAL PREMISES

SONAWALA CROSS ROAD NO.2, GOREGAON (EAST)

MUMBAI – 400063

Mobile: 9821235049

Email: aadishindustries@gmail.com

3. M/s SUPREME CONSTRUCTIONS (810740)

JN-1-18-A-2, SECTOR-9,

VASHI, NAVI MUMBAI – 400703

Mobile: 9867098187

Email: supremeconstruction@gmail.com

4. M/s FAREAST ENGINEERING & CONSTRUCTION (892091)

515, THE GREAT EASTERN GALLERI

NAVI MUMBAI – 400706

Mobile: 9987606522

Email: nair@fareastengg.com

5. M/s SHREYAS ENGINEERS & CONTRACTORS (105969)

SHOP NO1, TANDON CHAWL, JB ROAD

TANDON CHAWL, JB ROAD COTTON GREEN

MUMBAI – 400033

Mobile: 9820064872

Email: shreyasengineersongc@gmail.com

Submitted for kind approval to create Tender under GePNIC with the above-mentioned ONGC registered vendors.

CE (M) – ES, Rig Sagar Uday (121323) Pl

Case is forwarded.

Forwarded & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 05/05/2026(12:56:50)

approved as proposed

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 05/05/2026(13:07:51)

Subject: Request for Cancellation and Re-invitation of Tender

Limited Tender for “**Fabrication and Supply of Pinion Gear of Raw Water Tower for Rig Sagar Uday**” was published in GePNIC vide Tender ID: **2026_ONGC_276910_1** on **08.05.2026** with sale end date on **28.05.2026**.

However, due to an error in the BOQ format, bidders are unable to download and fill up the BOQ. Therefore, it is requested to cancel the existing tender and re-invite the tender as per Clause 13.2.16 (i) of the SCM Manual.

CE (M) – ES, Rig Sagar Uday, being CPA, is kindly requested to accord approval for cancellation and re-invitation of the tender as per Clause 13.2.16 (i) of the SCM Manual.

CE (M) – ES, Rig Sagar Uday (121323) Pl.

Case is forwarded.

Forwarded & Electronically Signed by:

ASHOK KUMAR M. - 134217 (Ex.Engr.(Instt))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 15/05/2026(14:57:44)

Approved as proposed.

Case is forwarded.

Forwarded & Electronically Signed by:

RAHUL RATTA - 121323 (Chief Engr.(Mech))

MUMBAI RIG SAGAR UDAY-BASE - MUMB

On : 15/05/2026(15:16:29)

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